RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/734,661C
Source: EFW16
Date Processed by STIC: 4/27/07

ENTERED

IFW16

RAW SEQUENCE LISTING DATE: 04/27/2007
PATENT APPLICATION: **US/10/734,661C** TIME: 11:40:55

Input Set : **A:\81408-4400 sequence listing.txt**
Output Set: **N:\CRF4\04272007\J734661C.raw**

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      3 <110> APPLICANT: Yayon, Avner
      4       Rom, Eran
      5       Thomassen-Wolf, Elisabeth
      6       Borges, Eric
      8 <120> TITLE OF INVENTION: ANTIBODIES THAT BLOCK RECEPTOR PROTEIN TYROSINE
KINASE ACTIVATION,
      9       METHODS OF SCREENING AND USES THEREOF
     11 <130> FILE REFERENCE: 81408-4400
     13 <140> CURRENT APPLICATION NUMBER: US 10/734,661C
     14 <141> CURRENT FILING DATE: 2003-12-15
     16 <150> PRIOR APPLICATION NUMBER: US 60/299,187
     17 <151> PRIOR FILING DATE: 2001-06-20
     19 <150> PRIOR APPLICATION NUMBER: PCT/IL02/00494
     20 <151> PRIOR FILING DATE: 2002-06-20
     22 <160> NUMBER OF SEQ ID NOS: 106
     24 <170> SOFTWARE: PatentIn version 3.2
     26 <210> SEQ ID NO: 1
     27 <211> LENGTH: 806
     28 <212> TYPE: PRT
     29 <213> ORGANISM: Homo sapiens
     31 <300> PUBLICATION INFORMATION:
     32 <308> DATABASE ACCESSION NO: np_000133
     33 <309> DATABASE ENTRY DATE: 2001-02-21
     34 <313> RELEVANT RESIDUES: (1)..(806)
     36 <400> SEQUENCE: 1
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     39 1               5                  10                  15
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     43             20                  25                  30
     46 Gly Arg Ala Ala Glu Val Pro Gly Pro Glu Pro Gly Gln Gln Glu Gln
     47         35                  40                  45
     50 Leu Val Phe Gly Ser Gly Asp Ala Val Glu Leu Ser Cys Pro Pro Pro
     51     50                  55                  60
     54 Gly Gly Gly Pro Met Gly Pro Thr Val Trp Val Lys Asp Gly Thr Gly
     55 65                  70                  75                  80
     58 Leu Val Pro Ser Glu Arg Val Leu Val Gly Pro Gln Arg Leu Gln Val
     59                 85                  90                  95
     62 Leu Asn Ala Ser His Glu Asp Ser Gly Ala Tyr Ser Cys Arg Gln Arg
     63             100                 105                 110
     66 Leu Thr Gln Arg Val Leu Cys His Phe Ser Val Arg Val Thr Asp Ala
     67         115                 120                 125
     70 Pro Ser Ser Gly Asp Asp Glu Asp Gly Glu Asp Glu Ala Glu Asp Thr
     71     130                 135                 140
     74 Gly Val Asp Thr Gly Ala Pro Tyr Trp Thr Arg Pro Glu Arg Met Asp
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(pg. 6)

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Input Set : A:\81408-4400 sequence listing.txt
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75 145                 150                 155                 160
78 Lys Lys Leu Leu Ala Val Pro Ala Ala Asn Thr Val Arg Phe Arg Cys
79                  165                 170                 175
82 Pro Ala Ala Gly Asn Pro Thr Pro Ser Ile Ser Trp Leu Lys Asn Gly
83              180                 185                 190
86 Arg Glu Phe Arg Gly Glu His Arg Ile Gly Gly Ile Lys Leu Arg His
87          195                 200                 205
90 Gln Gln Trp Ser Leu Val Met Glu Ser Val Val Pro Ser Asp Arg Gly
91      210                 215                 220
94 Asn Tyr Thr Cys Val Val Glu Asn Lys Phe Gly Ser Ile Arg Gln Thr
95 225                 230                 235                 240
98 Tyr Thr Leu Asp Val Leu Glu Arg Ser Pro His Arg Pro Ile Leu Gln
99                  245                 250                 255
102 Ala Gly Leu Pro Ala Asn Gln Thr Ala Val Leu Gly Ser Asp Val Glu
103             260                 265                 270
106 Phe His Cys Lys Val Tyr Ser Asp Ala Gln Pro His Ile Gln Trp Leu
107         275                 280                 285
110 Lys His Val Glu Val Asn Gly Ser Lys Val Gly Pro Asp Gly Thr Pro
111     290                 295                 300
114 Tyr Val Thr Val Leu Lys Thr Ala Gly Ala Asn Thr Thr Asp Lys Glu
115 305                 310                 315                 320
118 Leu Glu Val Leu Ser Leu His Asn Val Thr Phe Glu Asp Ala Gly Glu
119                 325                 330                 335
122 Tyr Thr Cys Leu Ala Gly Asn Ser Ile Gly Phe Ser His His Ser Ala
123             340                 345                 350
126 Trp Leu Val Val Leu Pro Ala Glu Glu Glu Leu Val Glu Ala Asp Glu
127         355                 360                 365
130 Ala Gly Ser Val Tyr Ala Gly Ile Leu Ser Tyr Gly Val Gly Phe Phe
131     370                 375                 380
134 Leu Phe Ile Leu Val Val Ala Ala Val Thr Leu Cys Arg Leu Arg Ser
135 385                 390                 395                 400
138 Pro Pro Lys Lys Gly Leu Gly Ser Pro Thr Val His Lys Ile Ser Arg
139                 405                 410                 415
142 Phe Pro Leu Lys Arg Gln Val Ser Leu Glu Ser Asn Ala Ser Met Ser
143             420                 425                 430
146 Ser Asn Thr Pro Leu Val Arg Ile Ala Arg Leu Ser Ser Gly Glu Gly
147         435                 440                 445
150 Pro Thr Leu Ala Asn Val Ser Glu Leu Glu Leu Pro Ala Asp Pro Lys
151     450                 455                 460
154 Trp Glu Leu Ser Arg Ala Arg Leu Thr Leu Gly Lys Pro Leu Gly Glu
155 465                 470                 475                 480
158 Gly Cys Phe Gly Gln Val Val Met Ala Glu Ala Ile Gly Ile Asp Lys
159                 485                 490                 495
162 Asp Arg Ala Ala Lys Pro Val Thr Val Ala Val Lys Met Leu Lys Asp
163             500                 505                 510
166 Asp Ala Thr Asp Lys Asp Leu Ser Asp Leu Val Ser Glu Met Glu Met
167         515                 520                 525
170 Met Lys Met Ile Gly Lys His Lys Asn Ile Ile Asn Leu Leu Gly Ala
171     530                 535                 540
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174 Cys Thr Gln Gly Gly Pro Leu Tyr Val Leu Val Glu Tyr Ala Ala Lys
175 545                 550                 555                 560
178 Gly Asn Leu Arg Glu Phe Leu Arg Ala Arg Arg Pro Pro Gly Leu Asp
179                 565                 570                 575
182 Tyr Ser Phe Asp Thr Cys Lys Pro Pro Glu Glu Gln Leu Thr Phe Lys
183             580                 585                 590
186 Asp Leu Val Ser Cys Ala Tyr Gln Val Ala Arg Gly Met Glu Tyr Leu
187         595                 600                 605
190 Ala Ser Gln Lys Cys Ile His Arg Asp Leu Ala Ala Arg Asn Val Leu
191     610                 615                 620
194 Val Thr Glu Asp Asn Val Met Lys Ile Ala Asp Phe Gly Leu Ala Arg
195 625                 630                 635                 640
198 Asp Val His Asn Leu Asp Tyr Tyr Lys Lys Thr Thr Asn Gly Arg Leu
199                 645                 650                 655
202 Pro Val Lys Trp Met Ala Pro Glu Ala Leu Phe Asp Arg Val Tyr Thr
203             660                 665                 670
206 His Gln Ser Asp Val Trp Ser Phe Gly Val Leu Leu Trp Glu Ile Phe
207         675                 680                 685
210 Thr Leu Gly Gly Ser Pro Tyr Pro Gly Ile Pro Val Glu Glu Leu Phe
211     690                 695                 700
214 Lys Leu Leu Lys Glu Gly His Arg Met Asp Lys Pro Ala Asn Cys Thr
215 705                 710                 715                 720
218 His Asp Leu Tyr Met Ile Met Arg Glu Cys Trp His Ala Ala Pro Ser
219                 725                 730                 735
222 Gln Arg Pro Thr Phe Lys Gln Leu Val Glu Asp Leu Asp Arg Val Leu
223             740                 745                 750
226 Thr Val Thr Ser Thr Asp Glu Tyr Leu Asp Leu Ser Ala Pro Phe Glu
227         755                 760                 765
230 Gln Tyr Ser Pro Gly Gly Gln Asp Thr Pro Ser Ser Ser Ser Ser Gly
231     770                 775                 780
234 Asp Asp Ser Val Phe Ala His Asp Leu Leu Pro Pro Ala Pro Pro Ser
235 785                 790                 795                 800
238 Ser Gly Gly Ser Arg Thr
239                 805
242 <210> SEQ ID NO: 2
243 <211> LENGTH: 32
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: artificial primer
250 <400> SEQUENCE: 2
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255 <211> LENGTH: 55
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: artificial primer
262 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING DATE: 04/27/2007
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Input Set : **A:\81408-4400 sequence listing.txt**
Output Set: **N:\CRF4\04272007\J734661C.raw**

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266 <210> SEQ ID NO: 4
267 <211> LENGTH: 1147
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <300> PUBLICATION INFORMATION:
272 <308> DATABASE ACCESSION NO: m58051
273 <309> DATABASE ENTRY DATE: 1994-11-08
274 <313> RELEVANT RESIDUES: (1)..(1147)
276 <400> SEQUENCE: 4
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281 agcagcgcgt cgtggggcga gcggcagaag tcccgggccc agagcccggc cagcaggagc 180
283 agttggtctt cggcagcggg gatgctgtgg agctgagctg tcccccgccc gggggtggtc 240
285 ccatggggcc cactgtctgg gtcaaggatg gcacagggct ggtgccctcg gagcgtgtcc 300
287 tggtggggcc ccagcggctg caggtgctga atgcctccca cgaggactcc ggggcctaca 360
289 gctgccggca gcggctcacg cagcgcgtac tgtgccactt cagtgtgcgg gtgacagacg 420
291 ctccatcctc gggagatgac gaagacgggg aggacgaggc tgaggacaca ggtgtggaca 480
293 caggggcccc ttactggaca cggcccgagc ggatggacaa gaagctgctg gccgtgccgg 540
295 ccgccaacac cgtccgcttc cgctgcccag ccgctggcaa ccccactccc tccatctcct 600
297 ggctgaagaa cggcagggag ttccgcggcg agcaccgcat tggaggcatc aagctgcggc 660
299 atcagcagtg gagcctggtc atggaaagcg tggtgccctc ggaccgcggc aactacacct 720
301 gcgtcgtgga gaacaagttt ggcagcatcc ggcagacgta cacgctggac gtgctggagc 780
303 gctccccgca ccggcccatc ctgcaggcgg ggctgccggc caaccagacg gcggtgctgg 840
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307 tcaagcacgt ggaggtgaac ggcagcaagg tgggcccgga cggcacaccc tacgttaccg 960
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311 acgtcacctt tgaggacgcc ggggagtaca cctgcctggc gggcaattct attgggtttt 1080
313 ctcatcactc tgcgtggctg gtggtgctgc cagccgagga ggagctggtg gaggctgacg 1140
315 aggcggg 1147
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328 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc 180
330 ttagggttag gcgttttgcg ctgcttcgcg atgtacgggc cagatatacg cgttgacatt 240
332 gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat agcccatata 300
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336 cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata gggactttcc 420
338 attgacgtca atgggtggac tatttacggt aaactgccca cttggcagta catcaagtgt 480
340 atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc gcctggcatt 540
342 atgcccagta catgacctta tgggactttc ctacttggca gtacatctac gtattagtca 600
344 tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga tagcggtttg 660
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348 aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg caaatgggcg 780
350 gtaggcgtgt acggtgggag gtctatataa gcagagctct ctggctaact agagaaccca 840

Invalid Response ← pls see item #10 on error summary sheet.

RAW SEQUENCE LISTING DATE: 04/27/2007
PATENT APPLICATION: US/10/734,661C TIME: 11:40:55

Input Set : A:\81408-4400 sequence listing.txt
Output Set: N:\CRF4\04272007\J734661C.raw

352 ctgcttactg gcttatcgaa attaatacga ctcactatag ggagacccaa gctggctagc 900
354 gtttaaactt aagcttggta ccgagctcgg atccccgtcg tgcatctatc gaaggtcgtg 960
356 gagatcccga ggagcccaaa tcttgtgaca aaactcacac atgcccaccg tgcccagcac 1020
358 ctgaactcct gggggggaccg tcagtcttcc tcttcccccc aaaacccaag gacaccctca 1080
360 tgatctcccg gacccctgag gtcacatgcg tggtggtgga cgtgagccac gaagaccctg 1140
362 aggtcaagtt caactggtac gtggacggcg tggaggtgca taatgccaag acaaagccgc 1200
364 gggaggagca gtacaacagc acgtaccggg tggtcagcgt cctcaccgtc ctgcaccagg 1260
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368 tcgagaaaac catctccaaa gccaaagggc agccccgaga accacaggtg tacaccctgc 1380
370 ccccatcccg ggatgagctg accaagaacc aggtcagcct gacctgcctg gtcaaaggct 1440
372 tctatcccag cgacatcgcc gtggagtggg agagcaatgg gcagccggag aacaactaca 1500
374 agaccacgcc tcccgtgctg gactccgacg gctccttctt cctctacagc aagctcaccg 1560
376 tggacaagag caggtggcag caggggaacg tcttctcatg ctccgtgatg catgaggctc 1620
378 tgcacaacca ctacacgcag aagagcctct ccctgtctcc gggtaaatga tctagagggc 1680
380 ccgtttaaac ccgctgatca gcctcgactg tgccttctag ttgccagcca tctgttgttt 1740
382 gcccctcccc cgtgccttcc ttgaccctgg aaggtgccac tcccactgtc ctttcctaat 1800
384 aaaatgagga aattgcatcg cattgtctga gtaggtgtca ttctattctg gggggtgggg 1860
386 tggggcagga cagcaagggg gaggattggg aagacaatag caggcatgct ggggatgcgg 1920
388 tgggctctat ggcttctgag gcggaaagaa ccagctgggg ctctaggggg tatccccacg 1980
390 cgccctgtag cggcgcatta agcgcggcgg gtgtggtggt tacgcgcagc gtgaccgcta 2040
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394 tcgccggctt tccccgtcaa gctctaaatc ggggcatccc tttagggttc cgatttagtg 2160
396 ctttacggca cctcgacccc aaaaaacttg attagggtga tggttcacgt agtgggccat 2220
398 cgccctgata gacggttttt cgccctttga cgttggagtc cacgttcttt aatagtggac 2280
400 tcttgttcca aactggaaca acactcaacc ctatctcggt ctattctttt gatttataag 2340
402 ggattttggg gatttcggcc tattggttaa aaaatgagct gatttaacaa aaatttaacg 2400
404 cgaattaatt ctgtggaatg tgtgtcagtt agggtgtgga aagtccccag gctccccagg 2460
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408 caggctcccc agcaggcaga agtatgcaaa gcatgcatct caattagtca gcaaccatag 2580
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412 cccatggctg actaattttt tttatttatg cagaggccga ggccgcctct gcctctgagc 2700
414 tattccagaa gtagtgagga ggctttttg gaggcctagg cttttgcaaa aagctcccgg 2760
416 gagcttgtat atccattttc ggatctgatc agcacgtgtt gacaattaat catcggcata 2820
418 gtatatcggc atagtataat acgacaaggt gaggaactaa accatggcca agttgaccag 2880
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424 gaccctgttc atcagcgcgg tccaggacca ggtggtgccg gacaacaccc tggcctgggt 3060
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428 ccgggacgcc tccgggccgg ccatgaccga gatcggcgag cagccgtggg ggcgggagtt 3180
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436 ccaccccaac ttgtttattg cagcttataa tggttacaaa taaagcaata gcatcacaaa 3420
438 tttcacaaat aaagcatttt tttcactgca ttctagttgt ggtttgtcca aactcatcaa 3480
440 tgtatcttat catgtctgta taccgtcgac ctctagctag agcttggcgt aatcatggtc 3540
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444 aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt 3660
446 gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg 3720
448 ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga 3780

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/27/2007
PATENT APPLICATION: US/10/734,661C TIME: 11:40:56

Input Set : A:\81408-4400 sequence listing.txt
Output Set: N:\CRF4\04272007\J734661C.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; N Pos. 253,254,255
Seq#:56; N Pos. 256,257,258
Seq#:70; N Pos. 1,2,3
Seq#:74; N Pos. 1,2,3
Seq#:81; N Pos. 1,2,3
Seq#:83; N Pos. 1,2,3

VERIFICATION SUMMARY DATE: 04/27/2007
PATENT APPLICATION: US/10/734,661C TIME: 11:40:56

Input Set : A:\81408-4400 sequence listing.txt
Output Set: N:\CRF4\04272007\J734661C.raw

L:1612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:240
L:1662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:240
L:1968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:2064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:2234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:2286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0